2013

**The Egg Drop**

**6th grade gifted group**

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Operation Egg Drop

Data Table

What was the distance egg was dropped?-

10 ft.

Did your egg survive your drop?-

yes

What happened EXCACTLY happened to your egg?-

Mrs. Peoples dropped my egg project from ~10 ft. off a ladder, and my egg didn’t break because eggs are so fragile and I had to cushion it a lot…

What happened to your package?-

It didn’t break after it was dropped from ~10 ft.

What are some other observations you discovered-

Weather: partly cloudy, fair. Wind speed: 6mph. Landing zone: pavement

What would you would change about your project-

Next time I would like to use less tissues and see if that was my main variable

Lab Report

Problem/Question-

Will my egg brake in the process

Observations-

The egg is very fragile so I must cushion it a lot, also the weather was partly sunny and wind of 6mph.

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Hypothisis-

I think my egg will **not** break in the process

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Materials-

* 7 cotton balls
* String
* Masking tape
* Scotch tape
* 2 pieces of bubble wrap
* A shoe box
* Rubber bands
* A styrafoam cup

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Procedures-

I got a shoe box and put a strip of bubble wrap in the bottom of the box for cushioning, then I got a styrafoam cup and and put cotton balls in it. I also put my egg gently in the cup. Next I taped my cup closed and placed the cup in the bottom of the shoe box.

**Control and Variable**

The Control-

* the height, ~10 ft.
* the egg
* the weather, 70 degrees, partly sunny, wind speed was 6mph
* surface was concrete

The Dependant Variable-

* The Cushioning
* The Container